

The Examiner is respectfully requested to amend the above-identified application as follows:

IN THE CLAIMS:

Please amend Claims 1, 10-12, 17, 21, 22, 25, 34-36, 39-41, 43, 45, 46, 50, and 51 to read as follows. A marked-up copy of the amended claims, showing the changes made thereto, is attached.

1. (Twice Amended) A data transmission method for host and target devices connected by a serial bus, said method comprising the steps of:

performing bi-directional communication by using an initial protocol between the host and target devices; and

selectively setting a data transfer method to be performed from a plurality of data transfer methods including a synchronous transfer method, which performs flow control, and an asynchronous transfer method by using the bi-directional communication,

wherein the data transfer method is set by the host device in accordance with a data transfer method set in the target device.

Sub D
9 10. (Twice Amended) An image processing apparatus comprising:
a communication section, arranged to perform communication with a target
device by:

performing bi-directional communication by using an initial protocol
between a host device and the target device, and
selectively setting a data transfer method to be performed from a
plurality of data transfer methods including a synchronous transfer method, which performs flow
control, and an asynchronous transfer method by using the bi-directional communication,
wherein the data transfer method is set by the host device in accordance with a data transfer
method set in the target device; and
a transmitter, arranged to transmit image data to the target device via
said communication section.

10
11. (Twice Amended) An image processing apparatus comprising:
a communication section, arranged to perform communication with a host
device by:
performing bi-directional communication by using an initial protocol
between the host device and a target device, and
selectively setting a data transfer method to be performed from a
plurality of data transfer methods including a synchronous transfer method, which performs flow
control, and an asynchronous transfer method by using the bi-directional communication,

wherein the data transfer method is set by the host device in accordance with a data transfer method set in the target device; and

a processor, arranged to process image data received from the host device via said communication section.

Sub D1
12. (Twice Amended) A data transmission apparatus connected to a serial bus, comprising:

a communication section, arranged to perform bi-directional communication by using an initial protocol with a target device; and

a setting section, arranged to selectively set a data transfer method to be performed from a plurality of data transfer methods including a synchronous transfer method, which performs flow control, and an asynchronous transfer method by using the bi-directional communication,

wherein the data transfer method is set in accordance with a data transfer method set in the target device.

Sub D1
13. (Twice Amended) A data transmission apparatus connected to a serial bus, said apparatus comprising:

a communication section, arranged to perform bi-directional communication by using an initial protocol with a host device; and

a transfer section, arranged to perform data transfer with the host device by a

Sub D1

data transfer method selectively set from a plurality of data transfer methods including a synchronous transfer method, which performs flow control, and an asynchronous transfer method by using the bi-directional communication,

wherein the data transfer method is set by the host device in accordance with a data transfer method set in the apparatus.

Sub D1

21. (Twice Amended) The apparatus according to claim 15, further comprising a formation section arranged to form a visible image on a print medium based on data received by said transfer section.

Sub D1

22. (Twice Amended) A data transmission system for transferring data through a serial bus, comprising:

a communication section, arranged to perform bi-directional communication by using an initial protocol between host and target devices; and
a setting section, arranged to selectively set a data transfer method to be performed from a plurality of data transfer methods, including a synchronous transfer method, which performs flow control, and an asynchronous transfer method by using the bi-directional communication,

wherein the data transfer method is set by the host device in accordance with a data transfer method set in the target device.

Sub D
25. (Twice Amended) A data transmission method of host and target devices which are connected by a serial bus, said method comprising the steps of:

transferring data from the host device to the target device, by using a transfer method selected by the host device from an isochronous transfer method and an asynchronous transfer method in accordance with a data transfer method set in the target device; and

transferring a procedure signal for transfer of the data to the host and target devices by a common asynchronous transfer which is performed using an initial protocol.

Sub D
34. (Twice Amended) An image processing apparatus comprising:
a communication section, arranged to perform communication with a target device by:

transferring data from a host device to the target device, by using a transfer method selected by the host device from an isochronous transfer method and an asynchronous transfer method in accordance with a data transfer method set in the target device, and

transferring a procedure signal for transfer of the data to the host and target devices by a common asynchronous transfer which is performed using an initial protocol; and

a transmitter, arranged to transmit image data to the target device via said communication section.

Sub D1

35. (Twice Amended) An image processing apparatus comprising:

a communication section, arranged to perform communication with a host device by:

transferring data from the host device to a target device, by using a transfer method selected by the host device from an isochronous transfer method and an asynchronous transfer method in accordance with a data transfer method set in the target device, and

transferring a procedure signal for transfer of the data to the host and target devices by a common asynchronous transfer which is performed using an initial protocol; and

a processor, arranged to process image data received from the host device via said communication section.

36. (Twice Amended) A data transmission apparatus connected to a serial bus, comprising:

a transfer section, arranged to transfer a procedure signal for data transfer by a common asynchronous transfer, which is performed using an initial protocol, to a target device; and

a transmitter, arranged to transmit data to be transmitted to the target device by using a transfer method, which is selected from an isochronous transfer method and an asynchronous transfer method, in accordance with a data transfer method set in the target device.

127 *C*

Sub D1
Sub D1

³⁴₃₅ 39. (Twice Amended) The apparatus according to claim ³³₃₆, wherein said transmitter selects the isochronous transfer method or the asynchronous transfer method based on the procedure signal transferred by the common asynchronous transfer.

³⁵₃₆ 40. (Amended) The apparatus according to claim ³³₃₆, wherein the data transmitted by said transmitter is image data.

³⁶₃₇ 41. (Twice Amended) A data transmission apparatus connected to a serial bus, comprising:

 a transfer section, arranged to transfer a procedure signal for data transfer by a common asynchronous transfer, which is performed using an initial protocol, to a host device; and

 a receiver, arranged to receive data from the host device by using a transfer method selected by the host device from an isochronous transfer method and an asynchronous transfer method in accordance with a data transfer method set in said apparatus.

Sub D1

³⁸₃₉ 43. (Twice Amended) The apparatus according to claim ³⁶₄₁, wherein the host device sets the data transfer method corresponding to said receiver based on the procedure signal transferred by the common asynchronous transfer.

Sub D1

⁴⁰₄₁ 45. (Twice Amended) The apparatus according to claim ³⁶₄₁, further comprising

a formation section, arranged to form a visible image on a print medium based on data received by said receiver.

Sub D1
46. (Twice Amended) A data transmission system for transferring data through a serial bus, comprising:

a first transfer section, arranged to transfer a procedure signal for data transfer by common asynchronous transfer, which is performed using an initial protocol, to host and target devices; and

a second transfer section, arranged to perform data transfer between the host and target devices by using a transfer method selected by the host device from an isochronous transfer method and an asynchronous transfer method in accordance with a data transfer method set in the target device.

Sub D1
45. (Twice Amended) A computer program product comprising a computer readable medium storing computer program codes for executing data transmission of host and target devices which are connected by a serial bus, said product comprising process procedure code for:

performing bi-directional communication by using an initial protocol between the host and target devices; and

selectively setting a data transfer method to be performed from a plurality of data transfer methods including a synchronous transfer method, which performs flow control, and